

RIXSON

door
closers

electro-hydraulic
automatic
door
operators

pivot
sets

suggested selection chart for specifying . . .

ENTRANCE AND VESTIBULE DOORS

for doors 3'6" wide and under

	offset hung	center hung	butt hung
single acting	no. 25	no. 26	no. 326
		no. 226	no. 225
double acting	no. 40		

for doors 2'10" wide and under

	offset hung	center hung	butt hung
single acting	no. 20	no. 21	no. 321
		no. 221	no. 220
double acting	no. 30		

LARGE INTERIOR DOORS

leading to auditoriums, office suites, gymnasiums, cafeterias, hospital operating rooms and stairwells.

for doors 4' wide and under

	offset hung	center hung	butt hung
single acting	no. 25	no. 26	no. 326
		no. 226	no. 225
double acting	no. 40		

for doors not over 3'6" wide

	offset hung	center hung	butt hung
single acting	no. 20	no. 21	no. 321
		no. 221	no. 220
double acting	no. 30		

for doors 3' wide and under

	offset hung	center hung	butt hung
single acting	no. 18	no. 18½	no. 318½
		no. 218½	no. 218

LIGHT INTERIOR DOORS
to offices, school classrooms, cafeterias, hospital patient rooms, toilets, and where two doors lead to kitchen, one "in" and one "out".

single acting • offset hung
nos. 65 • 66 • 67 • 68 UNI-CHECKS

LIGHT INTERIOR DOORS
to hospital supply and utility rooms, light stairwell doors, kitchen entrances in restaurants, hospitals and homes.

double acting • center hung
nos. 10 • 12 • 15 • 16 • Junior
DUO-CHECKS

for EXTRA HEAVY DOORS such as lead-lined X-RAY ROOM DOORS

single acting — offset hung no. L25 for active doors requiring a closer

single acting — offset hung no. L117 pivot set for doors not requiring a closer

for doors where automatic opening and closing improves traffic flow and affords a service to patrons, guests and personnel . . .

RIXSON automatic door operators

no. 2600 for operating single doors.
no. 2601 for pairs of doors operating simultaneously.
no. 2602 for two doors, each operating independently.

Specifying information regarding any of the above devices can be found on the following pages. More detailed information or template data are available by writing direct or by contacting your local builders' hardware consultant or RIXSON representative listed on the last page of this insert.

originators of
floor checks and

THE OSCAR C. RIXSON COMPANY

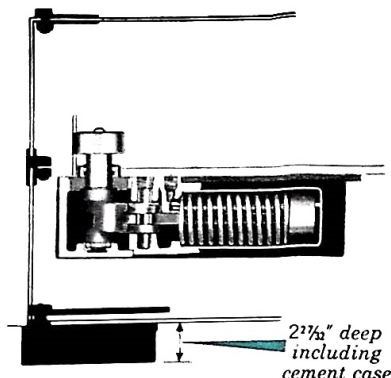
for over 55 years leading manufacturers of mechanized hardware

RIXSON**offset hung
single acting****DOOR CLOSERS****nos. 65 • 66 • 67 • 68
UNI • CHECKS
(handed)****for light interior doors**

use prefix "F" before number if for fire door

Standard closer arm and pivot, $\frac{3}{4}$ " offset. $1\frac{1}{2}$ " offset available, when specified.

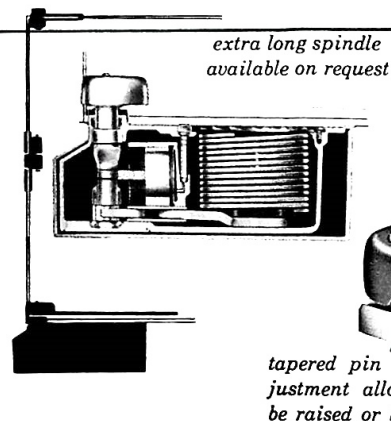
Top pivot "I" furnished unless otherwise specified (see other pivots below).

**4 spring capacities for various door sizes**

no. 65	no. 66	no. 67	no. 68
for doors 2'8" wide or under.	for doors over 2'8" wide but not over 3' wide.	for doors over 3' wide but not over 3'4" wide.	for doors over 3'4" wide but not over 4' wide.

160° hold-open always built-in unless omission is requested. Additional H.O. (choice of 85°, 90°, 100°, 110°, 120°) if specified. Underwriters' Laboratories approved No. 36 Fusible Link H.O. if specified.

Furnished in dull bronze unless other finish specified.

**nos. 18 • 20 • 25
(handed)****for medium and heavy exterior and interior doors**

fed. spec. FF H 121c, Type 3520-A, I, II, III

use prefix "F" before number if for fire door

Standard closer arm and pivot, $\frac{3}{4}$ " offset. $1\frac{1}{2}$ " offset available, when specified.

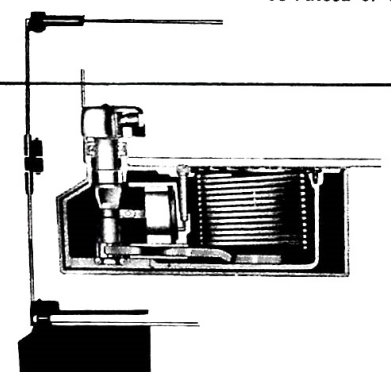
Top pivot "BB" furnished unless otherwise specified (see other pivots below).

no. 18	no. 20 (no. 120 no vertical adjustment)	no. 25 (no. 125 no vertical adjustment)
for interior doors not over 3' wide.	for interior doors not over 3'6" wide; outswinging entrance and vestibule doors not over 2'10" wide; in-swinging entrance doors not over 2'6" wide.	for interior doors over 3'6" wide but not over 4' wide; entrance and vestibule doors not over 3'6" wide.

90° optional hold-open available on nos. 20 and 25 if specified.

No. 36 fusible link H.O. available if specified.

Furnished in dull bronze unless other finish specified.

**no. L25
(handed)****for extra heavy doors such as lead-lined X-Ray ROOM doors**

fed. spec. FF H 121c, Type 3520-C, III

Closer arm and pivot $\frac{3}{4}$ " offset.

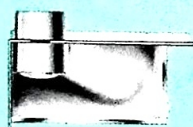
Furnished with special double ball bearing top pivot. Wide leaf side jamb pivot No. ML19 furnished when specified.

no. L25—for doors $1\frac{3}{4}$ ", 2", $2\frac{1}{4}$ ", $2\frac{1}{2}$ " and 3" thick—specify door thickness.

Furnished in dull bronze unless other finish specified.

TOP PIVOTS**6 styles for varied types of construction and materials**

BB
Door and jamb leaves mortised. For standard construction. FBB primed iron for F series (fire door) closers.



no. 280
Door leaf surface mounted. Jamb leaf mortised. For wood or kalamein doors having wood, kalamein or metal frames.



no. 480
Door and jamb leaves surface mounted. For wood, kalamein or tubular steel doors having channel iron frames.

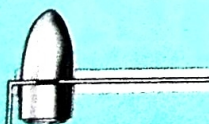


ABB
Door and jamb leaves mortised. Asylum design for use in institutions.



no. 380
Jamb leaf surface mounted. Door leaf mortised. For hollow metal or wood doors having a channel iron frame.



no. 580
Door and jamb leaves mortised. For bull nose type metal frame with wood or hollow metal doors.

and PIVOT SETS

RIXSON

18 e
Ri

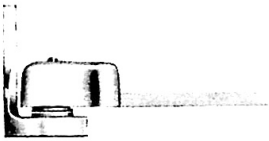
PIVOT SETS for door hanging only

Match offset closer installations in finish and appearance.



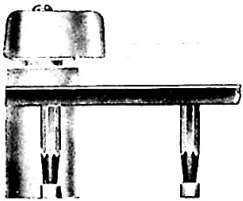
no. 117

Fastened to or mortised in floor. Offset type for light interior doors.



no. 117 1/4

Fastened to jamb. Offset type for light interior doors.

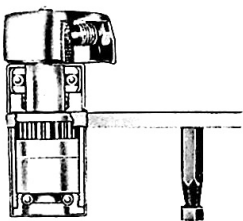


no. 117 1/2

fed. spec. FF H 121c, Type 3530-A
Mortised into floor. Offset type for entrance, vestibule, and heavy interior doors.



tapered pin vertical adjustment allows door to be raised or lowered



no. L117

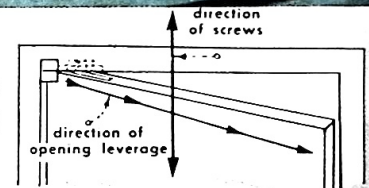
fed. spec. FF H 121c, Type 3530-B
Mortised into floor. Offset type for lead-lined X-RAY ROOM doors and other extra heavy doors.

advantages of OFFSET hanging

Offset hung doors can be made snug and weathertight. Trim permitting, they allow a full 180° opening. Entrance way is unobstructed when door is fully open.



PIVOTAL HANGING REDUCES WEAR ON DOOR AND JAMB



Offset hung doors offer all advantages of pivotal hanging—door is more securely attached and less apt to pull away from door jamb. The entire weight of the door is carried by the spindle of the closer... the pivots merely hold the door in alignment.

SIDE JAMB PIVOTS

6 styles for varied types of construction materials

All except no. 119 have vertical adjustment and oil cushion bearings.



no. M19

fed. spec. FFH 121c, Type 3525
Door and jamb leaves mortised. Matches design of all top pivots except ABB. FM19 primed iron for F series (fire door) closers.



no. A19

fed. spec. FF H 121c, Type 3525-A
Door and jamb leaves mortised. Asylum design matching top pivot ABB.



no. 119

Door and jamb leaves mortised. Matches design of all top pivots except ABB.



no. 219

Door leaf surface mounted. Jamb leaf mortised. For wood or kalamein doors and wood or hollow metal frames.



no. 319

Jamb leaf surface mounted. Door leaf mortised. For wood or hollow metal doors with channel iron frames.



no. 419

Door and jamb leaves surface mounted. For wood, kalamein or tubular steel doors with channel iron frames.

RIXSON

center hung
single acting
double acting

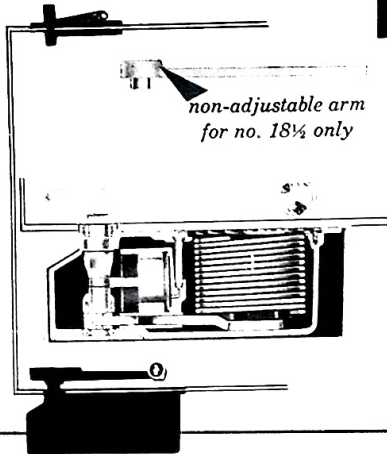
DOOR CLOSERS

nos. 18½ • 21 • 26 • 121 • 126
 (handed)

**single acting for exterior
 and interior doors**

fed. spec. FF H 121c, Type 3520 I, II, III

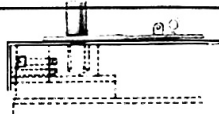
A side jamb or head jamb stop strip is required. Spindles longer than standard furnished when requested. Doors (except with no. 18½) can be adjusted horizontally.



no. 18½	no. 21	no. 26	no. 121	no. 126
WOOD OR METAL DOORS			GLASS DOORS	
for interior doors not over 3' wide.	for interior doors not over 3'6" wide. Outswinging entrance and vestibule doors not over 2'10" wide. Inswinging entrance doors not over 2'6" wide.	for interior doors not over 4' wide. Entrance and vestibule doors not over 3'6" wide.	for entrance doors and vestibule doors not over 2'6" wide x 7' high.	for entrance and vestibule doors not over 3'6" wide x 8'6" high.

90° optional hold-open available on nos. 21, 121, 26, 126 when specified.

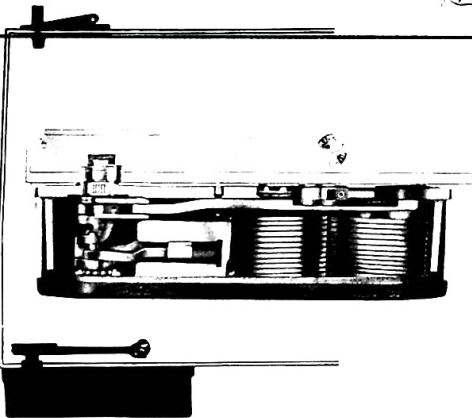
Allow 110° opening of door, trim permitting.



GLASS DOOR INSTALLATIONS (single or double acting) should be planned in advance. Door portion of top pivot is furnished by glass manufacturer to avoid cutting, drilling, etc. of glass door on the site.



SPINDLE ARM SCREW ADJUSTMENT makes it possible to adjust the door horizontally and to lock it in desired position (not on nos. 18½, 117¾ or DUO. CHECK).



nos. 30 • 40 • 130 • 140
 (non-handed)

**double acting for exterior
 and interior doors**

fed. spec. FF H 121c, Type 3510 I, II,

no. 30	no. 40	no. 130	no. 140
WOOD OR METAL DOORS		GLASS DOORS	
for interior doors not over 3'6" wide. Entrance and vestibule doors not over 2'10" wide.	for interior doors not over 4' wide. Entrance and vestibule doors not over 3'6" wide.	for entrance and vestibule doors not over 2'6" wide x 7' high.	for entrance and vestibule doors not over 3'6" wide and 8'6" high.

90° optional hold-open available on Nos. 30, 40, 130 and 140 when specified.

Spindle longer than standard furnished when specified.

Allow 100° opening of door, trim permitting.

Furnished in dull bronze unless other finish is specified.

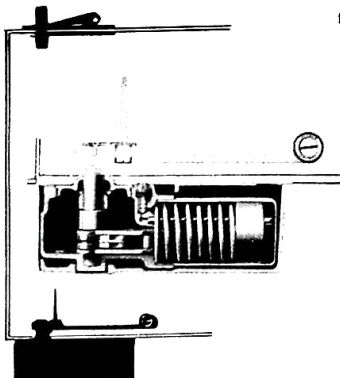
nos. 10 • 12 • 15 • 16 • Junior
 (non-handed)

**DUO CHECKS for
 double-acting interior doors**

fed. spec. FF H 121c, Type 3500, II x H.O., II, III x H.O., III

Cement case is furnished only when specified. Spindle longer than standard when specified.

3 spring capacities for various door sizes



no. 10 with 90° H.O.	no. 12 without H.O.	no. 15 with 90° H.O.	no. 16 without H.O.	JUNIOR 90° H.O. furnished unless omission is specified
for light interior doors or rail gates not over 2'10" wide.		for light interior doors or rail gates not over 3'10" wide.		for light interior doors in moderate cost installations in homes, apartments, etc.

Hold-open may be specified for one (left or right) swing only.
 Door must not be allowed to open beyond 115°.

and PIVOT SETS

Batteries of center hung doors can be installed without mullions, allowing maximum opening in lobbies, entrances, etc.



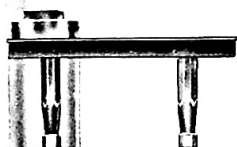
1. (above) Doors swinging in the same direction uniformly handed. Applies to all styles of doors.

2. (below) Doors swinging back to back. Two closers, one right and one left handed, can be installed in a special twin cement case that is available when specified.



PIVOT SET for door hanging only

Matches single and double acting center hung closer installations in appearance.



no. 117 $\frac{3}{4}$

fed. spec. FF H 121c, Type 3530

Mortised into floor. Center hung for entrance, vestibule, and heavy interior doors.



center hung

advantages of CENTER hanging

In center hung installations, pivots, closer, etc., are all concealed. Pivotal hanging assures more secure hanging of door. The entire weight of door rides on closer spindle . . . the pivots merely hold the door in alignment. Door is not mounted to side jamb—no center mullion is needed between doors.

RIXSON

single acting • butt hung DOOR CLOSERS

nos. 318 $\frac{1}{2}$ • 321 • 326 (non-handed)

fed. spec. FF H 121c, Type 3522, I, II, III

for medium and heavy exterior and interior doors

Door being hinged independently from closer, weight of door is carried on butt hinges. Allows 130° opening of door, trim permitting.

Spindle longer than standard furnished when specified.

no. 318 $\frac{1}{2}$

for interior doors not over 3' wide.

no. 321

for interior doors not over 3'6" wide; outswinging entrance and vestibule doors not over 2'10" wide; inswinging entrance doors not over 2'6" wide.

no. 326

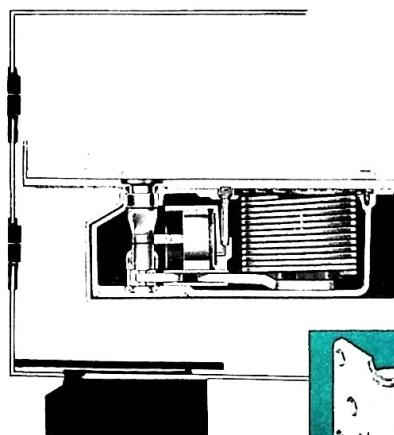
for interior doors over 3'6" wide but not over 4' wide; entrance and vestibule doors not over 3'6" wide.

Furnished in dull bronze unless other finish is specified (aluminum not available).

RIXSON ball hinges recommended

Vertical adjustment allows raising and lowering of door after installation. Door weight carried on ball bearing and self-

lubricating bushing. Very sturdily built for heavy duty.

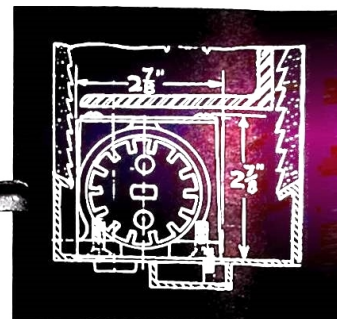
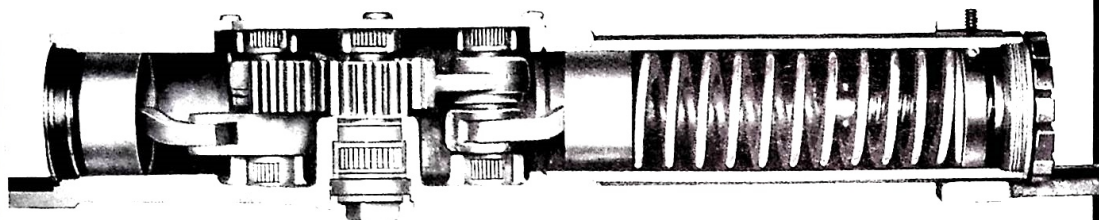


RIXSON

single acting • butt hung • center hung
(handed)

OVERHEAD CONCEALED CLOSERS

nos. 218 • 220 • 225 • nos. 218½ • 221 • 226 • nos. 418 • 420 • 425

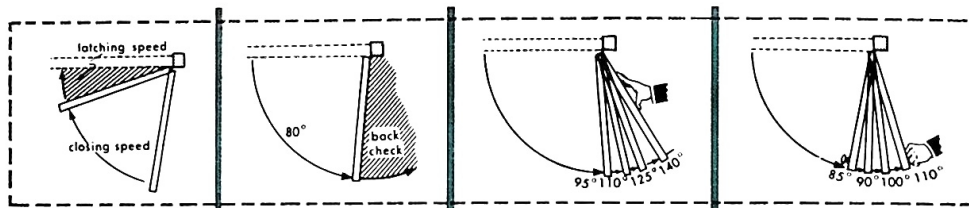


only 2 7/8" x 2 7/8" x 17" long for narrow, shallow head jambs

Made in 3 sizes.

Choice of 2 hanging styles

**ALL the controls
are built-in ...**

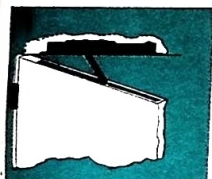


1. two closing speeds, independently adjustable. The closing speed from open to approximately 15° is controlled by one adjustment and the latch speed from 15° to closed position by another.

2. hydraulic shock absorber (back-check). At approximately 80° a hydraulic resistance starts to slow down or check the opening action of the door. Hydraulic back-check optional. Not needed for 418 series.

3. spring cushion door stop. Door is "cushion stopped" at choice of any one of 4 factory-set positions—95°, 110°, 125° or 140°. Stop removed for wider openings to 160°. Not needed for 418 series.

4. built-in door holder. When specified, built-in to hold door at choice of 85°, 90°, 100° or 110°. Not needed for 418 series.



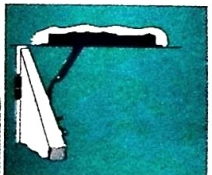
BUTT HUNG nos. 218 • 220 • 225

Special arm can be furnished for 180° opening.



CENTER HUNG nos. 218½ • 221 • 226

Maximum degree of opening, 100°, trim permitting.

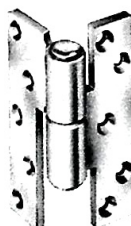


BUTT HUNG nos. 418 • 420 • 425

With No. 38 holder arm. Maximum 100° opening. Holder arm absorbs shock and prevents door from striking reveals.

		hanging	optional built-in back-check	optional built-in hold-open	optional built-in door holder
for light interior doors not over 3' wide	no. 218	butt	if specified	if specified	if specified
	no. 218½	center	if specified	if specified	if specified
	no. 418	butt	Back-check, door stop and hold-open not needed. No. 38 stay and holder provides these 3 functions.		
interior doors not over 3'6" wide. Outswinging entrance and vestibule doors not over 2'10" wide. Inswinging entrance doors not over 2'6" wide.	no. 220	butt	if specified	if specified	if specified
	no. 221	center	if specified	if specified	if specified
	no. 420	butt	Back-check, door stop and hold-open not needed. No. 38 stay and holder provides these 3 functions.		
for extra heavy interior doors not over 4' wide. Entrance and vestibule doors not over 3'6" wide.	no. 225	butt	if specified	if specified	if specified
	no. 226	center	if specified	if specified	if specified
	no. 425	butt	Back-check, door stop and hold-open not needed. No. 38 stay and holder provides these 3 functions.		

only RIXSON will fit into head jambs as narrow and shallow as these ▼



RIXSON ball hinges recommended

Vertical adjustment allows raising and lowering of door after installation. Door weight carried on ball bearing and self-lubricating bushing. Very sturdily built for heavy duty.

RIXSON

automatic DOOR OPERATOR

actuated by mat or by switch (floor, desk, wall)

Opens the door by hydraulic power

Closes the door by hydraulic power

Always under hydraulic control—no springs

Opening and closing speeds independently adjustable

Door can be held in open position without door holder

Safety trip prevents motor from ever running continuously

No leakage—dry sump system confines fluid to cylinder

Floor unit is center hung style—completely concealed in floor

automatic safety features . . .



If person steps on safety mat after door is in opening swing, door will not strike him, but will STOP.



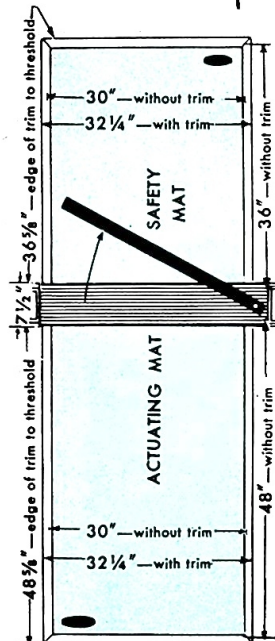
If person is on safety mat, another person stepping on actuating mat will not cause door to swing open.



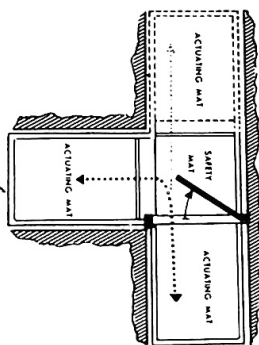
If a person walks off safety mat and then, while door is closing, steps back on mat, door will stop and not swing suddenly open.



A break-a-way that allows doors operating IN to be forced OUT in emergency (if there are no door stops) is standard equipment.

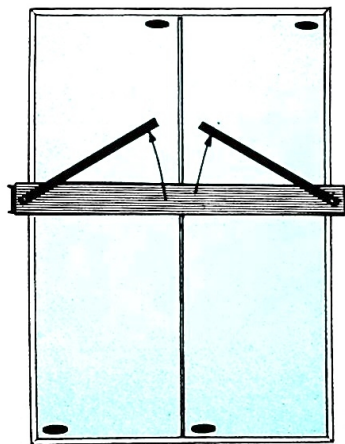


no. 2600 . . . for operating single doors

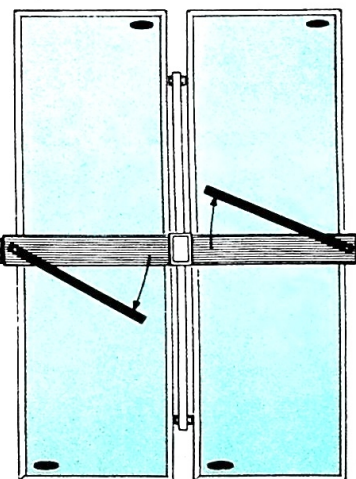


no. 2600-S . . . for operating single door as both an IN and OUT door by special mat arrangements.

no. 2601 . . . for pairs of doors operating simultaneously



no. 2602 . . . for two doors operating independently



BASIC

INSTALLATION INFORMATION

FLOOR UNIT— overall dimensions with cement case 21 $\frac{3}{4}$ " long x 6-1/16" wide x 3-15/16" deep.

MOTOR PUMP— 115 volt, 60 cycle, single phase (unless otherwise specified).

MATS— standard color brown—see dimensions above.

THRESHOLD AND TRIMS—cut to fit jamb to jamb dimensions and mat dimensions.

FLEXIBLE CONDUIT— furnished for protection of hoses and low voltage cable through concrete.

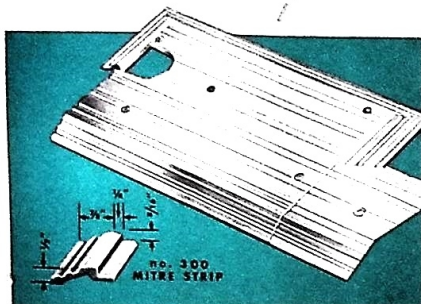
ACCESSORIES— guard rails and finger guards furnished, when specified, at extra cost.

complete template details and installation information furnished on request

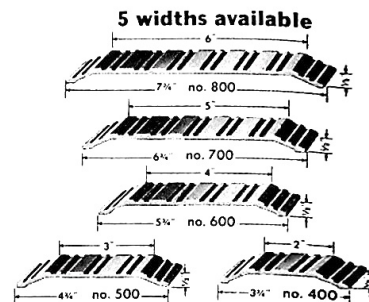
RIXSON

THRESHOLDS

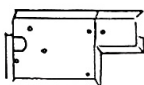
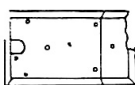
*custom made to assure perfect fit
for trim doorway appearance...*



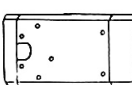
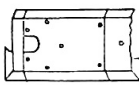
Available in architectural bronze and aluminum. Custom made and heavily built for long, hard wear. With exact measurements of door opening (jamb to jamb—not door stops), Rixson supplies accurately pre-cut and fitted thresholds. Fitting on site not necessary.



for nos. 18, 20, 25, 120, 125

**TYPE 5
NARROW TREAD****TYPE 3
FULL WIDTH TREAD**

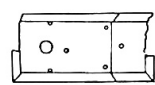
for nos. 18 1/2, 21, 26, 121, 126, 30, 40, 130, 140

**TYPE 1
CLOSER IN CENTER
OF JAMB****TYPE 4
BOTH ENDS
MITRED**

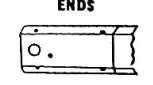
for nos. 65, 66, 67, 68 UNI-CHECKS

**TYPE 6
BOTH ENDS
MITRED****TYPE 7
WITHOUT
MITRED
ENDS**

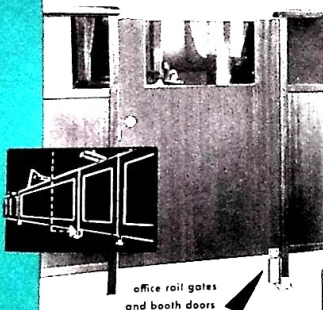
for nos. 318 1/2, 321, 326

**TYPE 4-A
BOTH ENDS
MITRED**

for nos. 10, 12, 15, 16, JUNIOR

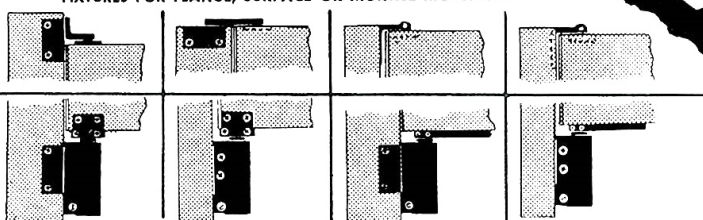
**TYPE 2
WITHOUT MITRED
ENDS****RIXSON**

no. 350 series checking pivot hinges for single or double acting office rail gates, lavatory stall doors and other dwarf doors.

cut-a-way
viewoffice rail gates
and booth doors

Closing action of door under hydraulic control—no slamming of single acting or flip-flapping of double acting doors. A variety of pivots, arms and brackets available to suit installation requirements.

FIXTURES FOR FLANGE, SURFACE OR MORTISE MOUNTING



write direct for complete
templates or contact your
local RIXSON representative

**SALES
REPRESENTATIVES**

RIXSON

... quality
hardware
for over
55 years

PRINTED IN U.S.A.

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THE OSCAR C. RIXSON COMPANY

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